Form No. 3352–123

Starter Relay Kit

Groundsmaster® 4500–D & 4700–D

Part No. 107–1991

Installation Instructions

⚠ Caution ⚠

Accidental starting of the engine could seriously injure you or other bystanders.

Remove the key from the ignition switch before you do any maintenance.

1. Remove the control console cover.
2. Remove the bolt and nut securing the lower right corner of the fuse block to the frame (Fig. 1).

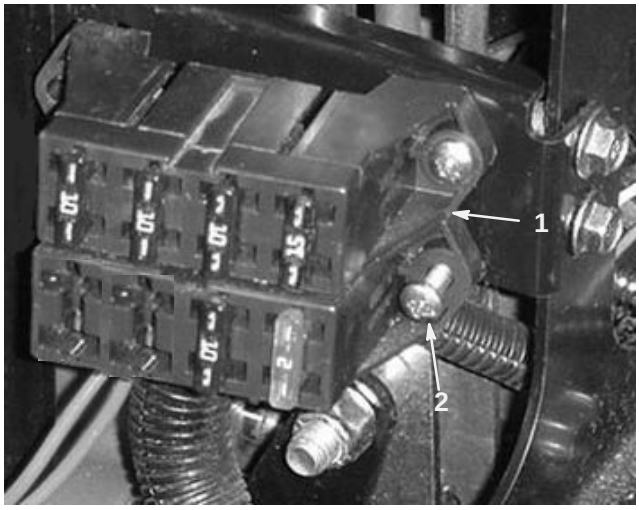

Figure 1

1. Fuse block
2. Bolt and nut

3. Insert the relay behind the fuse block while aligning it with the mounting holes (Fig. 2).
4. Secure the fuse block and the relay to the frame with the bolt and nut previously removed (Fig. 2).
5. Locate the accessory wire and connector from behind one of the open accessory fuse holders (Fig. 2).
6. Plug the relay wire harness connector into the accessory wire connector (Fig. 2).

Note: Refer to figure 6 for the harness connector identification.

7. Insert the 15 amp fuse (included in the kit) into the accessory fuse block (Fig. 2).

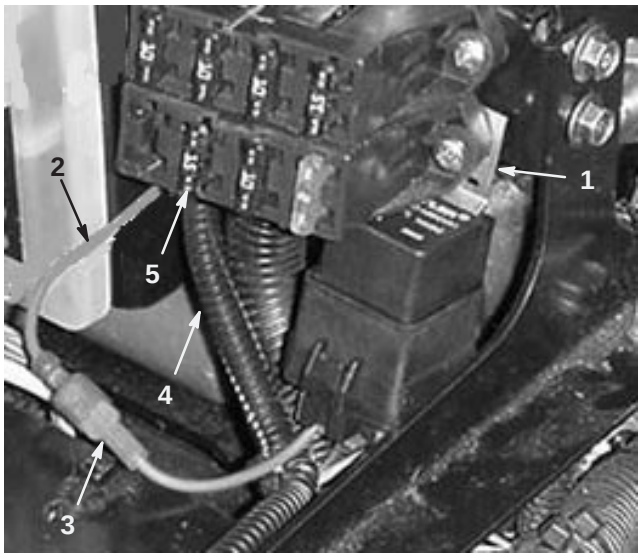

Figure 2

1. Relay
2. Accessory fuse wire connector
3. Harness wire connector
4. Harness to power point
5. Fuse

8. Route the relay starter harness thru the control console to the harness connector of the power point (Fig. 3).
9. Unplug the wire connector from the back of the power point (Fig. 3).



Figure 3

1. Power point
2. Power point connector

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10. Plug one of the wire harness connectors into the power point and the other into the wire connector.

11. Route the wire harness to the engine starter motor while following the main wire harness. Keep the harness away any hot or moving parts.



Figure 4

1. Starter motor wire

12. Unplug the blue wire from the connector on the rear of the starter motor (Fig. 4).

13. Plug a wire harness connector into the blue starter motor wire connector (Fig. 4).

14. Plug the remaining wire harness connector into the starter motor connector (Fig. 4).

15. Secure the starter relay wire harness to the traction unit wire harness with cable ties. Make sure to keep the harness away from any hot or moving parts.

Wiring Schematic

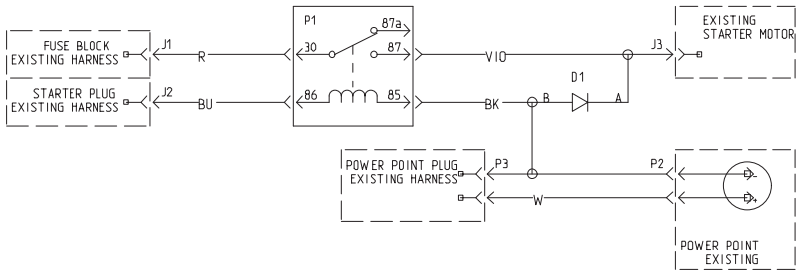

Figure 5

Wire Harness

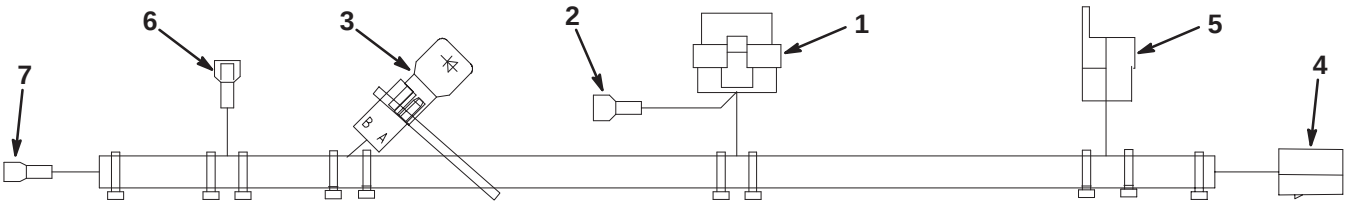

Figure 6

1. Relay
2. To accessory fuse wire connector
3. Diode
4. To power point
5. To power point harness connector
6. To starter motor wire connector
7. To starter motor